

ABSTRACT OF THE DISCLOSURE

A system, housed as a portable monitoring unit, monitors and processes signal parameters acquired from a patient in multiple operational modes. A data acquisition processor receives patient parameter data from a plurality of different

5 patient attached sensors and processes that data to provide processed patient parameter data. An image reproduction device displays processed patient parameter data. A communication interface communicates the processed patient parameter data to the image reproduction device for display and concurrently communicates the processed patient parameter data to either a docking station

10 when said portable monitoring unit is docked in said docking station in a first mode or a network access point coupled to a communication network via wireless communication in a second mode. A power unit re-charges a battery in the portable monitoring unit in the first mode.